

GUIDE TO THE IMPLEMENTATION OF ELECTRONIC TRANSCRIPTS AND STUDENT RECORDS

Pre-Kindergarten Through Postsecondary Edition

Part 7 of 9: Appendix A

Summary of Changes Made from Version 3 to Version 4 of the Implementation Guide

Authored by Members of the
American National Standards Institute
Accredited Standards Committee X12
Subcommittee A: Education Administration

Version 4
April 1998

Note to User:

The Electronic Transcripts and Student Records suite of formats is made up of five transaction sets:

TS130-Student Educational Record (Transcript)
TS131-Student Educational Record (Transcript) Acknowledgment
TS146-Request for Student Educational Record (Transcript)
TS147-Response to Request for Student Educational Record (Transcript)
TS997-Functional Acknowledgment

The "Guide to the Implementation of Electronic Transcripts and Student Records, Pre-Kindergarten through Postsecondary Edition" provides usage details for the elementary, secondary, and postsecondary education communities. Based on ANSI ASC X12 Version 4 Release 1, the Guide was made available in April 1998.

Part 1--Chapters 1-3: Additional critical information for proper use of the transaction sets as a whole

Chapter 1: Introduction

Chapter 2: ASC X12 Nomenclature

Chapter 3: Acknowledgment Process

Part 2--TS130: Student Educational Record (Transcript)

Part 3--TS131: Student Educational Record (Transcript) Acknowledgment

Part 4--TS146: Request for Student Educational Record (Transcript)

Part 5--TS147: Response to Request for Student Educational Record (Transcript)

Part 6--TS997: Functional Acknowledgment

Part 7--Appendix A: Change Summary

Part 8--Appendix B: Data Element Dictionary

Part 9--Appendix C: Segment Summary

The above documentation is available electronically, free of charge, in Microsoft Word 97 format (.doc), Portable Document Format (.pdf), and Rich Text Format (.rtf) from <http://nces.ed.gov/edi.html> under the "Implementation Documents" link. Bound copies may be purchased from the AACRAO Distribution Center by calling (301) 490-7651 or by fax at (301) 206-9789. The publication order number is 6007.

Documentation for the five transaction sets was developed using SpecBuilder Version 3.2 from EDIfECS Corporation and is downloadable in native SpecBuilder format (.eds) from their web page-<http://www.edifecs.com>. This format provides a navigable version of the transaction sets and is intended to be used as a replacement for the hyper-linked capability provided in the previous version of the Guide. A copy of either SpecViewer (downloadable, free of charge, from the EDIfECS home page) or SpecBuilder (available from EDIfECS) is required to view the native SpecBuilder output. While it is possible to print from either SpecViewer or SpecBuilder, it is suggested that locally printed copies be generated from the .doc, .pdf, or .rtf files since they have been enhanced for that purpose.

A postsecondary edition has been published by the Postsecondary Electronic Standards Council and is available, free of charge, electronically at <http://www.standardscouncil.org/transsets.htm>. Bound copies may be purchased from the AACRAO Distribution Center by calling (301) 490-7651 or by fax at (301) 206-9789. The publication order number is 6006.

SUMMARY OF CHANGES MADE FROM VERSION 3 TO VERSION 4 OF THE SPEEDE/ExPRESS IMPLEMENTATION GUIDE

This summary covers changes made to SPEEDE/ExPRESS Transaction Sets 130, 131, 146, 147, and 997 effective with ANSI ASC X12 Version 4 Release 1 (00401) published in December 1997. This release reflects all changes approved by the ASC X12 Policy Review Board between June 1995 and October 1997.

Changes in the Appearance of the Guide

Version 4 of the Guide has the same format as did Version 2 largely due to the usage of the EDIfECS™ SpecBuilder Software. Many thanks to EDIfECS™ for providing a copy of this developers software free of charge.

A feature of the EDIfECS™ SpecBuilder Software allowed the addition of a Usage column in which segments and data elements have been categorized as “Must Use”, “Used”, “Not Used”, “K12 Only” or “Postsec Only”. For this reason, special notes to that affect were removed from the text of the document.

Transaction Set Notes, Segment Syntax Notes, Segment Semantic Notes, Segment Comments, Data Element Descriptions and Code Value Descriptions are as they appear in the ASC X12 standards manual. With the return to the Version 2 format, the Guide has special usage instructions in context. These are labeled as **Note to User**. Segment and Data Element Names may have a parenthetical description to further clarify their use in context. Valid code values for a given data element may change based on relative location within the transaction sets. These restricted lists are now documented with each occurrence of the data element except in cases where the list is relatively long AND the list is identical regardless of context. The Country Code list is an example of such a case. Some code values have extended definitions which are part of the ASC X12 standards manual. For the most part, these extended definitions are not shown in context. Extended definitions are available in Appendix B.

TRANSACTION SET 130

I. New Loops and Segments

1. A new LUI (Language Use) segment was added in position 1/060 with a max use >1. The purpose of this segment is to specify language, type of usage, and proficiencies or fluencies of the student.
2. A new loop was created at position 1/180. This new N3 Loop is part of the IN1 loop and includes previously existing segments N3 and N4 (positions 1/180 and 1/190 respectively). The N3 Loop was added to the IN1 loop in order to make it possible to enter multiple addresses for one person. For example, a parent's work and home address. The loop identifier changed at position 1/180 with the repeat value changed to 5. Loop levels for positions 1/180 and 1/190 also changed.
3. The section beginning with the SP (Special Education Program) Loop at position 2/100 through the Loop Trailer (LE) at position 2/175 has been completely reorganized into a single loop structure which begins with segment SP (Special Program). This allows more flexibility in reporting the myriad of special programs that the K12 student might be involved in and at the same time creates a less cumbersome and artificial distinction between Special Education and Other Programs. Four transaction set notes were added to reflect usage of the NTE, OPS, OPX and DTP segments within this new SP loop.

II. Changes in Individual Segments

The following segment changes are listed in the order in which they appear in the transaction set. Structural changes apply to every occurrence of the segment within the transaction set. Segment positions are provided in parentheses. Code value restrictions for a data element that are relative to the segment's position within a transaction set or to the data element's position within the segment appear in this section rather than the next section, Changes to Data Elements, as in previous change summaries. Refer to the next section for data element structural changes only. Additional information on code list changes can be found in Appendix B.

1. ST01 was made specific to TS130 and thus all codes other than '130' were deleted. The Note to User for ST02 was modified to further clarify usage in the acknowledgment process. (1/010)
2. Code 06 in BGN01 was deleted. The Note to User for BGN02 was modified to further clarify usage in the acknowledgment process. For BGN05, codes 01-24 were deleted and codes ND, NS, NT, TD, TS, TT were added. Data element 786 was added as BGN09 but is Not Used in TS130. (1/020)
3. Codes 053 and 054 were added to ERP02. ERP03 was marked as Not Used in TS130. A Note to User was added for ERP01 and ERP02 further clarifying usage. (1/030)
4. REF at position 1/040— REF04 was added, but is not used in TS130. The associated semantic note for REF04 should be ignored. A segment Note to User was added further clarifying the use of this REF segment in TS130 and to explain its use in the acknowledgment process. For REF01: codes E4, PSM, V2, V4, V5, and ZZ were deleted; code F8 was added; code A6 was changed to code 28. The Note to User for REF01 and REF02 was modified to further clarify its use in the TS130 when responding to a TS146. (1/040)

5. A Note to User for segment DMG was added recommending the transmission of as much of this information as possible in the PK-12 record and that sex, marital status and race/ethnicity are not recommended in the postsecondary record.. The code values for DMG01 were restricted to CM, CY, D8, DB and MD and a Note to User was added. A Note to User was added to DMG03, DMG04 and DMG05 indicating that these are not recommended for transmission in the postsecondary record. The description for DMG03 code U was modified. Codes 7, D, F, G, J and P were added to DMG05. Codes A through C were added to DMG06. A Note to User was added to DMG06 and DMG07 clarifying usage when indicating non-US citizenship. Codes 9, A and B were added to DMG08 and the Note to User for DMG08 was modified to indicate the segment could also be used to verify the student's country of citizenship. DMG08 was also marked as K12 Only. DMG09 was marked as Not Used. (1/050)
6. A segment Note to User was added indicating that sending place of birth is not recommended on a postsecondary transcript. IND05 and IND07 have been marked as Not Used with a Note to User added indicating that the LUI segment should be used to transmit this data. A Note to User was added to IND06 indicating its use to indicate English Proficiency. A Note to User was added for IND08 prescribing the use of the LUI segment for languages not included in the ISO 639 code list. IND09 through IND12 were marked as K12 Only. For IND10 and IND12, the California Ethnic Subgroups Code Table was expanded and the alpha codes A, B, C, H, I, N, O, and Z were deleted. (1/065)
7. Use of the DTP segment at position 1/066 has been clarified to be for transmission of the student's immigration date or estimated immigration date. The codes for DTP01 were restricted to AAA, ACA and ACB. The codes for DTP02 were restricted to CM, CY, D8, and DB (1/066)
8. For the RAP segment at position 1/067, the code values for RAP06 were restricted to CM, CY, D8 and DB. (1/067)
9. PCL01 and PCL02 were changed from Mandatory to Relational. PCL07 was changed from Optional to Relational. Syntax notes P0102, R0107 and P0304 were added. Codes 77 and 78 were deleted from PCL01. Codes for PCL03 were restricted to RD4, RD5 and RD8. Codes 2.6 and 2.7 were added to PCL05. A segment Note to User was added indicating that this segment is not used in the PK-12 record. (1/070)
10. N1 at position 1/110—A segment Note to User was added clarifying the content of the two loops. A Note to User was added for N102, N103 and N104 clarifying usage. (1/110)
11. N2 at position 1/120—A segment Note to User was added. (1/120)
12. N3 at position 1/130—A segment Note to User was added. (1/130)
13. N4 at position 1/140—N405 was marked as K12 Only, codes CA, H, and DT were deleted and code SH was added. N405 and N406 were marked as K12 Only. A segment Note to User was added. (1/140)
14. PER at position 1/150—For PER01: codes EM, MC, OA, PN, PQ and SF were deleted; codes E2, GA, GB and GE were added; and code MD was corrected. For PER03 codes AU, EN, ED, FT, FU, IT, MN, PS and TX were deleted; codes AS, PA, PP, TN and VM were added. A segment Note to User was added. (1/150)

15. A Note to User was added for IN101 and IN102. Code 06 was deleted from IN102. Codes E4, PSM, V2, V4 and V5 were deleted from IN104 and code A6 was changed to code 28. IN105 and IN106 were marked as K12 Only. For IN106, codes 36, 38-41, 43, 45-47, 54, 60, 64-73, 77, 78, 84, 85, 89, 91-96, A1, A7, A8, B6, B9, C4-C9, D1, D2, E3 and E6 were deleted; codes E9, G2, G6, G8 and G9 were added. For IN107 codes EM, IF, IN, UN and VR were deleted and codes PK and SS were added. A segment Note to User was added indicating the importance of sending this segment. (1/160)
16. For the EMS segment at position 1/165, a segment Note to User was added indicating the use of the segment. (1/165)
17. A segment Note to User was added for the IN2 segment indicating the importance of sending this segment and clarifying the use of the segment in the acknowledgment process. Codes 18 and 22 were added for IN201. (1/170)
18. The N3 segment at position 1/180 starts a loop that allows multiple addresses to be transmitted for a single individual. A segment Note to User has been added indicating the use of N405 when multiple addresses are sent and also recommending that the student's address not be transmitted in the postsecondary record. (1/180)
19. N4 at position 1/190—A segment Note to User has been added once again explaining the use of N405 when multiple addresses are sent for a single individual and also recommending that the student's address not be transmitted in the postsecondary record. N405 codes were restricted to DT, F, H, I, L, M, O and P. (1/190)
20. PER at position 1/195—For PER01: codes E2, GA, GB and GE were added; and codes MD, OA, and PK were corrected. For PER03 codes AU, EN, ED, FT, FU, IT, MN, PS and TX were deleted; codes AS, PA, PP, TN and VM were added. A segment Note to User was added indicating that it is not generally sent in the postsecondary record. (1/195)
21. REF at position 1/200—REF04 was added, but is not used in TS130. The associated semantic note for REF04 should be ignored. A segment Note to User was added indicating the its use to send student identification numbers for agencies other than the sending institution. The note also re-emphasizes that the segment is not used in the postsecondary record. For REF01, codes 4A, E4 and PSM were deleted; codes 06, 23 and 3H were added; code A6 was changed to code 28. (1/200)
22. A Note to User was added to segment SST further explaining the use of SST02 through SST09 in the PK-12 record. The Note to User also further clarifies use of SST04 and SST09 in the postsecondary record. A Note to User for SST01 was added indicating that it may also reflect basis of admission at the sending postsecondary institution. Codes for SST02 and SST05 were restricted to CM, CY, D8 and DB. Code B51 was added to SST04 and a clarification Note to User was added. A clarification Note to User was added to SST07. A Note to User was added indicating that SST08 is not sent in the postsecondary record, codes 20-33, AS, BD, DD, EM, IN, MD, NO, PF and VR were deleted and codes PK and SS were added. (1/220)
23. SSE at position 1/230—A segment Note to User was added further explaining the use of the SSE and the N1-N4 segments within the loop and that it is not sent in the postsecondary record. For SSE03, code D30 was deleted and codes B27-B29, B31, B38-B40, B51, D03-D09, EB1 and EB3 were added. (1/230)
24. N1 at position 1/240—Codes VO, VQ and VR were added for N101. Codes for N103 were restricted to 77 and 78 since the loop refers only to K-12 institutions (use the PCL loop for previous college information). (1/240)

25. N4 at position 1/260—For N405 codes CA, DT, H, SB and UR were deleted and code SH was added. (1/260)
26. ATV at position 1/265—For ATV07 codes 20-33, AS, BD, DD, HS, MD, NO, PC, PD, PF and PS were deleted; codes PK and SS were added. (1/265)
27. DTP at position 1/267—Codes 222, 330-335 and 442 were deleted from DTP01. Codes for DTP02 were restricted to CM, CY, D8, DB, RD4, RD5 and RD8. (1/267)
28. A Note to User was added to the TST segment explaining the need to transmit at least one SBT and SRE segment within each TST loop and the importance of TST data in the placement of students by the receiving institution. In addition, the segment Note to User indicates that transmission of ACT and SAT scores is not recommended in the postsecondary record. The codes for TST03 were restricted to CM, CY, D8 and DB. A Note to User was added for TST06 stating that for the International Baccalaureate Test, TST06 is 'H' for higher level or 'S' for subsidiary level. Codes PK and SS were added to TST07 while codes EM, IN and NO were deleted. Three data elements were added to the TST segment. Data element 1251 was added as TST13 to allow transmission of an additional test year and a semantic note was added indicating that the date is in CCYY format. TST14 and TST15 were added, both are data element 1073. Corresponding semantic notes for these data elements were also added. (1/270)
29. An SBT segment Note to User was added indicating that at least one SRE is required for each SBT segment. Codes 6-9, A-F and H-T were added to SBT03. (1/280)
30. A Note to User was added to segment SRE indicating that at least one SRE is required for every SBT segment. (1/290)
31. SUM at position 1/310—A segment Note to User was added explaining the usage of the this segment and clarifying the use of the segment in the acknowledgment process. A clarification Notes to User were added for SUM02, SUM04, SUM05, SUM06 and SUM17. Code N was deleted from SUM03. Codes for SUM13 were restricted to CM, CY, D8 and DB. A Note to User was added for SUM11 through SUM14 indicating that if any of the class rank information is sent then all four data elements should be included. (1/310)
32. A Note to User was added for the LX segment explaining its usage. (2/010)
33. Codes for HS02 were restricted to CM, CY, D8 and DB. (2/020)
34. Codes for IMM02 were restricted to CM, CY, D8 and DB. (2/030)
35. A Note to User was added for the HC segment indicating that the segment is not used in the postsecondary record. Codes for HC03 were restricted to CM, CY, D8 and DB. (2/040)
36. A Note to User was added for the N1 segment at position 2/050 indicating that the segment is not used in the postsecondary record. Codes S1 and S2 were deleted for N101. A Note to User was added for N102 recommending the use of the name since most educational institutions will not have codes for health service providers. (2/050)
37. A Note to User was added for the N2 segment at position 2/060 indicating that the segment is not used in the postsecondary record and recommending its use in cases where the name of the health service provider exceeds the size in N102. (2/060)

38. A Note to User was added for the PER segment at position 2/070 explaining its use and indicating that the segment is not used in the postsecondary record. For PER01 codes DN, FA, GR, LD, MD, PK, PN, PS, RG, SB, SF, TC, TH, UG and VM were deleted while codes 1C, 1F, AM, CN, CY, IC, RP, SG and ZZ were added. For PER03 codes AU, EN, ED, FT, FU, IT, MN, PS and TX were deleted; codes AS, PA, PP, TN and VM were added. (2/070)
39. A Note to User was added for the N3 segment at position 2/080 indicating that the segment is not used in the postsecondary record and indicating its use. (2/080)
40. A Note to User was added for the N4 segment at position 2/090 indicating that the segment is not used in the postsecondary record and indicating its use. For N405 codes CA, F, H, P, DR, DT, SB, TN and UR were deleted and code SH was added. (2/090)
41. The SP segment name was changed from 'Special Education Program' to 'Special Program.' The data elements used in the segment have changed considerably from data elements 1257, 1132, C001, 380, and 954 to data elements 1257, 954, 1133, 1134, and 93. The segment purpose, semantic notes and syntax notes were also changed to reflect the new structure. Codes 27 and 28 were added to SP01. Codes 73-77 were added to SP03 (previously OP01). (2/100)
42. A Note to User was added for the PER segment at position 2/110 explaining its use and indicating that the segment is not used in the postsecondary record. For PER01, codes were restricted to BP, E2, GC, OA, PK, PN, SK, SP and SW. For PER03 codes AU, EN, ED, FT, FU, IT, MN, PS and TX were deleted; codes AS, PA, PP, TN and VM were added. (2/110)
43. A Note to User was added for the N3 segment at position 2/120 indicating that the segment is not used in the postsecondary record and indicating its use. (2/120)
44. A Note to User was added for the N4 segment at position 2/130 indicating that the segment is not used in the postsecondary record and indicating its use. For N405 codes CA, H, DT, SB and UR were deleted and code SH was added. (2/130)
45. A Note to User was added for the NTE segment at position 2/140 indicating that the segment is not used in the postsecondary record and indicating its use. (2/140)
46. The OPS segment name was changed from 'Other Program Subject Area and Eligibility' to 'Program Subject Area and Eligibility.' A Note to User was added indicating that the segment is not used in the postsecondary record. The data elements used in the segment have changed considerably from data elements 66, 67, 1135, 1073 and 1132 to data elements 66, 67, 1073, 1132, C001 and 380. The segment purpose, semantic notes and syntax notes were also changed to reflect the new structure. Codes 29 and 30 were added to OPS04 (previously OPS05). (2/150)
47. The OPX segment name was changed from 'Other Program Dates and Criteria' to 'Placement Criteria.' A Note to User was added indicating that the segment is not used in the postsecondary record. The data elements used in the segment have changed considerably from data elements 1250, 1251, 1250, 1251 and 1135 to data elements 1073, 1135 and 641. The segment purpose, semantic notes and syntax notes were also changed to reflect the new structure. As the name change implies, this segment is no longer used to report dates. This functionality is provided in the DTP segment which follows OPX. For OPX03 (previously OPX06) codes D22 and D23 were deleted and codes B27-B29, B31, B33, B38-B40, D25-D29 and EB3 were added. (2/160)

48. A Note to User was added for the DTP segment at position 2/170 (previously 2/110) indicating that the segment is not used in the postsecondary record. Codes for DTP01 were restricted to existing codes 330-335 and codes 372, 586 and 951-957 were added. Codes for DTP02 were restricted to CM, CY, D8, DB, RD4, RD5 and RD8. (2/170)
49. A Note to User was added for the SES segment, SES01, SES02, SES03 and SES14. Codes for SES06 and SES08 were restricted to CM, D8 and DB. For SES10, codes AS, BD, DD, EL, EM, HG, HS IF, IN, MD, MS, NO, PC, PD, PS, VR and VS were deleted and code PK was added. Codes D31-D34 were added to SES14. (2/180)
50. SSE at position 2/185—For SSE03, code D30 was deleted and codes B27-B29, B31, B38-B40, B51, D03-D09, D53-D63, EB1 and EB3 were added. (2/185)
51. N4 at position 2/220—N403 through N406 were marked as K12 Only. For N405 codes CA, H, DT, SB and UR were deleted and code SH was added. (2/220)
52. SUM at position 2/230—A segment Note to User was added as well as for SUM04-06, SUM11-14 and SUM17. Codes for SUM13 were restricted to CM, CY, D8 and DB. (2/230)
53. A Note to User was added to for the CRS segment as well as to CRS10-12 and CRS14-19. Code P was added for CRS01. The requirement designation for CRS06 was changed from conditional to optional correctly reflecting the C0605 syntax note. For CRS13, codes AS, BD, DD, EM, HG, HS, IN, MD, NO, PC, PD, PS and VR were deleted and codes PK and SS were added. CRS20 was marked as Postsec Only. (2/250)
54. REF04 was added, but is not used in TS130. The associated semantic note for REF04 should be ignored. A segment Note to User was added clarifying the use of the REF segment and the CSU segment. (2/260)
55. Codes for CSU03 were restricted to CM, CY, D8 and DB. Codes 29 and 30 were added for CSU07. A Note to User was added for CSU09 and CSU10. A segment Note to User was added. (2/270)
56. A Note to User was added for the LUI segment at position 2/271. (2/271)
57. RAP at position 2/272—Codes for RAP06 were restricted to CM, CY, D8 and DB. (2/272)
58. N4 at position 2/300—For N405 codes CA, H, DT, SB and UR were deleted and code SH was added. (2/300)
59. Codes 9 and 10 were added to MKS01. A segment Note to User was added clarifying that this information is supplemental to the information provided in CRS05-06. (2/305)
60. LUI at position 2/306—Code 1 was deleted for LUI04. (2/306)
61. Codes 2.6 and 2.7 were added for DEG01. Codes for DEG02 were restricted to CM, CY, D8 and DB. (2/320)
62. SUM at position 2/320—A segment Note to User was added indicating that this segment is not used in the PK-12 record. Codes for SUM02 were restricted to 19, D, DL, G, H, L, M, P, R, and U. SUM03 and SUM13 through SUM18 were marked as Not Used. Clarifying Notes to User were added for SUM04-06. A Note to User was added for SUM11 through SUM14 indicating that if any of the class rank information is sent then all four data elements should be included. (2/320)

63. A Note to User was added for segment FOS indicating that this segment is not used in the PK-12 record. The FOS segment description was modified to indicate it's possible association with a course. It is not used in that context within TS130. FOS02 and 03 were changed from Mandatory to Conditional. FOS04 was changed from Optional to Conditional. Syntax notes P0203 and R0204 were added. Two data element 380's were added as FOS06 and FOS07, with associated semantic notes, to contain the number of years of study and GPA, respectively. Codes G and V were added to FOS01. (2/330)
64. N1 at position 2/335—Codes 77 and 78 were deleted for N103 and a Note to User was added indicating that the segment is not used in the PK-12 record.
65. A Note to User was added for the NTE segment at position 2/340 indicating that the segment is not used in the PK-12 record and indicating its use. (2/340)

III. Structural Changes to Individual Data Elements

The following listing of changes to data elements is in data element numerical order. Structural changes to the data elements are applicable to all occurrences. Code additions and deletions are detailed in Appendix B. See the previous section for code usage in a particular occurrence of the data element.

TS 130 - Data Element Structural Change Summary		
Data Element Description	Min/Max Length Change From-To	Segments Used In
67-Identification Code	2/20 → 2/80	CRS, FOS, IND, LUI, N1, OPS, PCL, SES
93-Name	1/35 → 1/60	CRS, CSU, IN2, N1, N2, PER, RAP, SBT, SES, SP, TST
98-Entity Identifier Code	2/2 → 2/3	IN1, N1
166-Address Information	1/35 → 1/55	N3
373-Date (CCYYMMDD)	6/6 → 8/8	BGN, CRS, SSE

TRANSACTION SET 131

I. Changes in Individual Segments

The following segment changes are listed in the order in which they appear in the transaction set. Structural changes apply to every occurrence of the segment within the transaction set. Segment positions are provided in parentheses. Code value restrictions for a data element that are relative to the segment's position within a transaction set or to the data element's position within the segment appear in this section rather than the next section, Changes to Data Elements, as in previous change summaries. Refer to the next section for data element structural changes only. Additional information on code list changes can be found in Appendix B.

1. ST01 was made specific to TS131 and thus all codes other than '131' were deleted. The Note to User for ST02 was modified to further clarify usage in the acknowledgment process. (1/010)
2. Code 6 is the only valid value for BGN01. The Note to User for BGN02 was modified to further clarify usage in the acknowledgment process. For BGN05, codes 01-24 were deleted and codes ND, NS, NT, TD, TS, TT were added. Data element 786 was added as BGN09 but is Not Used in TS131. (1/020)
3. REF04 was added, but is not used in TS131. The associated semantic note for REF04 should be ignored. (1/040)
4. REF at position 1/040—A segment Note to User was added further clarifying the use of this REF segment in TS131 and to explain its use in the acknowledgment process. For REF01: codes E4, PSM, V2, V4, V5, and ZZ were deleted; code F8 was added; code A6 was changed to code 28. The Note to User for REF02 was modified to further clarify its use in the TS131 when responding to a TS130. (1/040)
5. QTY04 was added, but is not used in TS131. The associated semantic note for QTY04 should be ignored. (1/050)
6. A segment Note to User was added clarifying the use of the SUM segment in the acknowledgment process. Code N was deleted from SUM03. Codes for SUM13 were restricted to CM, CY, D8 and DB. (1/060)
7. A segment Note to User was added clarifying the use of the IN2 segment in the acknowledgment process. (1/070)

II. Structural Changes to Individual Data Elements

The following listing of changes to data elements is in data element numerical order. Structural changes to the data elements are applicable to all occurrences. Code additions and deletions are detailed in Appendix B. See the previous section for code usage in a particular occurrence of the data element.

TS 131 - Data Element Structural Change Summary		
Data Element Description	Min/Max Length Change From-To	Segments Used In
67 -- Identification Code	2/20 → 2/80	N1
93 - Name	1/35 → 1/60	IN2, N1
98 - Entity Identifier Code	2/2 → 2/3	N1
373 - Date	6/6 → 8/8	BGN

TRANSACTION SET 146

I. Changes in Individual Segments

The following segment changes are listed in the order in which they appear in the transaction set. Structural changes apply to every occurrence of the segment within the transaction set. Segment positions are provided in parentheses. Code value restrictions for a data element that are relative to the segment's position within a transaction set or to the data element's position within the segment appear in this section rather than the next section, Changes to Data Elements, as in previous change summaries. Refer to the next section for data element structural changes only. Additional information on code list changes can be found in Appendix B.

1. ST01 was made specific to TS146 and thus all codes other than '146' were deleted. The Note to User for ST02 was modified to further clarify usage in the acknowledgment process. (1/010)
2. Codes 05, 06, 11, 15, and ZZ were deleted for BGN01. The Note to User for BGN02 was modified to further clarify usage in the acknowledgment process. For BGN05, codes 01-24 were deleted and codes ND, NS, NT, TD, TS, TT were added. Data element 786 was added as BGN09 but is Not Used in TS146. (1/020)
3. ERP02 was marked as Not Used in TS146 (1/030)
4. REF04 was added, but is not used in TS146. The associated semantic note for REF04 should be ignored. For REF01: codes E4, PSM, V2, V4, V5, and ZZ were deleted; code A6 was changed to code 28. (1/040)
5. The code values for DMG01 were restricted to CM, CY, D8 and DB. The description for DMG03 code U was modified. Codes 7, D, F, G, J and P were added to DMG05. Codes A through C were added to DMG06. Codes 9, A and B were added to DMG08 and the Note to User for DMG08 was modified to indicate the segment could also be used to verify the student's country of citizenship. DMG09 was marked as Not Used. (1/050)
6. IND05 through IND08 were marked as Not Used. IND09 through IND12 were marked as K12 Only. For IND10 and IND12, the California Ethnic Subgroups Code Table was expanded and the alpha codes A, B, C, H, I, N, O, and Z were deleted. (1/060)
7. A segment Note to User was added indicating that the SSE segment is not used in the postsecondary record. For SSE03, code D30 was deleted and codes B27-B29, B31, B38-B40, B51, D03-D09, EB1 and EB3 were added. (1/070)
8. Codes for SST02 were restricted to CM, CY, D8 and DB. SST04 through SST09 were marked as Not Used. (1/080)
9. Codes for N101 were expanded to specify that they refer to the TS146 not the TS130 being requested. A Note to User was added for N102. (1/100)
10. An N2 segment Note to User was added. (1/110)
11. For N405, codes CA, H, and DT were deleted and code SH was added. (1/130)
12. For PER01: code EM was deleted; codes E2, GA, GB and GE were added; and codes MD, OA, and PK were corrected. For PER03 codes AU, EN, ED, FT, FU, IT, MN, PS and TX were deleted; codes AS, PA, PP, TN and VM were added. (1/140)

13. Code 06 was deleted from IN102. Code 6X was deleted from IN103. Codes E4, PSM, V2, V4 and V5 were deleted from IN104 and code A6 was changed to code 28. IN106 was marked as K12 Only and codes 36, 38-41, 43, 45-47, 54, 60, 64-73, 77, 78, 84, 85, 89, 91-96, A1, A7, A8, B6, B9, C4-C9, D1, D2, E3 and E6 were deleted; codes E9, G2, G6, G8 and G9 were added. IN107 was marked as Not Used. (1/150)
14. N405 and N406 were marked as K12 Only. N405 codes were restricted to DT, F, H, I, L, M, O and P. (1/180)

II. Structural Changes to Individual Data Elements

The following listing of changes to data elements is in data element numerical order. Structural changes to the data elements are applicable to all occurrences. Code additions and deletions are detailed in Appendix B. See the previous section for code usage in a particular occurrence of the data element.

TS146 - Data Element Structural Change Summary		
Data Element Description	Min/Max Length Change From-To	Segments Used In
67 - Identification Code	2/20 → 2/80	IND, N1
93 - Name	1/35 → 1/60	IN2, N1, N2, PER
98 - Entity Identifier Code	2/2 → 2/3	IN1, N1
166 - Address Information	1/35 → 1/55	N3
373 - Date	6/6 → 8/8	BGN, SSE

TRANSACTION SET 147

I. Changes in Individual Segments

The following segment changes are listed in the order in which they appear in the transaction set. Structural changes apply to every occurrence of the segment within the transaction set. Segment positions are provided in parentheses. Code value restrictions for a data element that are relative to the segment's position within a transaction set or to the data element's position within the segment appear in this section rather than the next section, Changes to Data Elements, as in previous change summaries. Refer to the next section for data element structural changes only. Additional information on code list changes can be found in Appendix B.

1. ST01 was made specific to TS147 and thus all codes other than '147' were deleted. The Note to User for ST02 was modified to further clarify usage in the acknowledgment process. (1/010)
2. Code 6 is the only valid value for BGN01. The Note to User for BGN02 was modified to further clarify usage in the acknowledgment process. For BGN05, codes 01-24 were deleted and codes ND, NS, NT, TD, TS, TT were added. Data element 786 was added as BGN09 but is Not Used in TS147. (1/020)
3. Code E7 was added AAA03. Attributes for AAA04 were corrected to be Optional, ID Type, and Min/Max of 1/1. (1/030)
4. REF04 was added, but is not used in TS147. The associated semantic note for REF04 should be ignored. A segment Note to User was added further clarifying the use of this REF segment in TS147 and to explain its use in the acknowledgment process. For REF01: codes E4, PSM, V2, V4, V5, and ZZ were deleted; code F8 was added; code A6 was changed to code 28. The Note to User for REF02 was modified to further clarify its use in the TS147 when responding to a TS146. (1/040)
5. PWK09 was added, but is not used in TS147. (1/050)
6. For N405, codes CA, H, and DT were deleted and code SH was added. (1/100)
7. For PER01: code EM was deleted; codes E2, GA, GB and GE were added; and codes MD, OA, and PK were corrected. For PER03 codes AU, EN, ED, FT, FU, IT, MN, PS and TX were deleted; codes AS, PA, PP, TN and VM were added. (1/110)
8. Code 2 was deleted from IN101. Code 06 was deleted from IN102. Code S2 is now the only valid value for IN103. Codes E4, PSM, V2, V4 and V5 were deleted from IN104 and code A6 was changed to code 28. IN106 and IN107 were marked as Not Used. (1/120)

II. Structural Changes to Individual Data Elements

The following listing of changes to data elements is in data element numerical order. Structural changes to the data elements are applicable to all occurrences. Code additions and deletions are detailed in Appendix B. See the previous section for code usage in a particular occurrence of the data element.

TS 147 - Data Element Structural Change Summary		
Data Element Description	Min/Max Length Change From-To	Segments Used In
67-Identification Code	2/20 → 2/80	N1
93-Name	1/35 → 1/60	IN2, N1, N2, PER
98-Entity Identifier Code	2/2 → 2/3	IN1, N1
166-Address Information	1/35 → 1/55	N3
373-Date (CCYYMMDD)	6/6 → 8/8	BGN

TRANSACTION SET 997

I. Changes in Individual Segments

The following segment changes are listed in the order in which they appear in the transaction set. Structural changes apply to every occurrence of the segment within the transaction set. Segment positions are provided in parentheses. Code value restrictions for a data element that are relative to the segment's position within a transaction set or to the data element's position within the segment appear in this section rather than the next section, Changes to Data Elements, as in previous change summaries. Refer to the next section for data element structural changes only. Additional information on code list changes can be found in Appendix B.

1. ST01 was made specific to TS997 and thus all codes other than '997' were deleted. The Note to User for ST02 was modified to further clarify usage in the acknowledgment process. (1/010)
2. AK101 codes were restricted to AK, ED, RY and RZ. A Note to User was added further explaining the content of AK102. (1/020)
3. A Note to User was added to further explain the content of AK202. (1/030)
4. The list of codes for AK301 was restricted to represent only those segments found in Transaction Sets 130, 131, 146 or 147. Code 8 was added for AK304. (1/040)
5. A semantic note was added for segment AK4.
6. For AK501, code W was added. Codes 19 through 22 were deleted for AK502 through AK506. (1/060)
7. For AK901, code W was added. Cods 19 through 22 were deleted for AK905 through AK909. (1/070)

II. Changes to Individual Data Elements

The following listing of changes to data elements is in data element numerical order. Code additions and deletions are for the overall Transaction Set. See the previous section for code usage in a particular occurrence of the data element.

TS997 - Data Element Change Summary		
Data Element Description	Min/Max Length Change From-To	Segments Used In
447-Loop Identifier Code	1/4 -- 1/6	AK3

